

# OFFICIAL GAZETTE



## GOVERNMENT OF GOA

**NOTE:** There is one Extraordinary issue to the Official Gazette Series I No. 39 dated 23-12-1999 namely Extraordinary dated 23-12-99 from pages 551 to 552 regarding Notifications from Department of Law & Judiciary (Legal Affairs Division) and Department of Panchayat Raj and Community Development.

### GOVERNMENT OF GOA

#### Department of Agriculture

##### Directorate of Agriculture

#### Order

10/1/79-AGR/Vol.IX

Government of India, Ministry of Agriculture (Department of Agriculture & Co. operation) New Delhi Order No. 2-/98-Fert. Law dated 12th May, 1999 under Fertilizer (Control) Order 1985, is hereby republished in the Official Gazette for information of the public.

K. G. Sharma, Director of Agriculture, Ex-Officio Joint Secretary to the Government of Goa.

Panaji, 16th December, 1999.

#### Order

S. O. No. 329(E).— In exercise of the powers conferred by section 3 of the Essential Commodities Act, 1955 (10 of 1955), the Central Government hereby makes the following order further to amend the Fertilizer (Control) Order, 1985, namely:—

1. (I) This Order may be called the Fertilizer (Control) Amendment Order, 1999.

(2) It shall come into force on the date of its publication in the Official Gazette.

2. In the Fertilizer (Control) Order, 1985 (hereinafter referred to as the said Order), in clause 13, for sub-clause (2), the following sub-clause and Explanation shall be substituted, namely:—

“(2) Subject to the other provisions of this order, no person shall manufacture any mixture of fertilizers unless such mixture conforms to the standards set out in the notification to be issued by the State Government in the Official Gazette;

**Explanation.**— For the purposes of this sub-clause, mixture of fertilizers shall not include liquid fertilizers and 100% water soluble fertilizers, containing N. P. K.”

3. In Schedule I to the said Order, in Part-A under the heading 'SPECIFICATIONS OF FERTILISERS', after sub-heading 1 (i) PK Fertilizers and the entries relating thereto, the following sub-heading and entries shall be inserted namely:—

#### “1 (J) Potassium Magnesium Fertilizers

Potassium Magnesium Sulphate	(in %)
i) Moisture, percent by weight, maximum	0.5%
ii) Potash content (as K <sub>2</sub> O) percent by weight, minimum	22.0%
iii) Magnesium as MgO, percent by weight, minimum	18.0%
iv) Total Chlorides (as Cl), percent by weight (on dry basis), maximum	2.5%
v) Sodium (as Na Cl), percent by weight (on dry basis) maximum	2.0%
vi) Particle size: 90 percent of the material shall pass through 3.35 mm IS sieve and shall be retained on 1 mm IS sieve.	

#### 1(K) Nitrogen Calcium Fertilisers Calcium Nitrate

i) Total Nitrogen percent by weight, minimum	15.5%
ii) Ammonical Nitrogen percent by weight, maximum	1.1%
iii) Nitrate Nitrogen as N percent by weight, minimum	14.4%
iv) Water soluble Calcium as percent by weight, minimum	18.8%
v) Water insolubles percent by weight, maximum	1.5%
vi) Particle size: 90% of the material shall pass through 4.00 mm sieve and be retained on 1 mm IS sieve. Not more than 5% shall pass through 1 mm IS sieve.”	

4. In Schedule II to the said Order, in Part-8, under the heading, 'Methods of Analysis of Fertilisers' after the sub-heading 20. 'Determination of Particle Size in Different Fertilizers' and the entries relating thereto, the following sub-headings, and entries shall be inserted, namely:—

*"21. Method of Analysis of Calcium Nitrate*

i) *Determination of total nitrogen*

By the method as specified in 3 (viii)

ii) *Determination of Ammonical Nitrogen*

By the method as specified in 3 (vii)

iii) *Determination of nitrate*

By the method as specified in 3 (viii) & (vii)

iv) *Determination of water insoluble matter*

By the method as specified in 8 (vii)

v) *Determination of water soluble calcium*

**A. Titrametric Method (EDTA) titrations**

(a) *Reagents*

(i) Buffer solution (pH-12.0)-Dissolve 223 gm KOH(AR) in 250 ml water. Add 15 ml Triethanolamine and make volume to one litre after cooling the solution.

(ii) Pattern and Recder's indicator (HHSNNA)-Dissolve 0.2 gm indicator in 100 ml methanol.

(iii) Calcium Standard Solution (mg/ml)-Dissolve 2.4973 g calcium carbonates, primary standard grade, previously dried for 2 hours at 285°C, in HCl (1=10) Dilute to 1 litre with distilled water.

(iv) Disodium dihydrogent ethylene diamine tetra acetic standard solution (0.01 M)-Dissolve 3.7224 gm Na<sub>2</sub>H<sub>2</sub>-EDTA (AR) previously dried at 105 to 110°C for 1 hr. in distilled water and make volume to one litre.

(b) *Standardisation of Calcium Solution*

(i) pipette 10 ml calcium standard solution into 250 ml erlenmayer flask.

(ii) Add 10-15 ml distilled water and 20 ml Buffer solution.

(iii) Add few drops of indicator's solution. A red rose colour will appear.

(iv) Titrate with EDTA till a blue colour is obtained. Note the volume of EDTA used as V<sub>1</sub> ml

Calcium Titer (mg/ml) —  $\frac{\text{Volume of Calcium standard solution (ml)}}{\text{Volume of EDTA solution used (ml) (V}_1\text{)}}$

(c) *Preparation of sample solution*

(i) Weigh 2.5 g calcium nitrate fertilizer sample into 250 volumetric flask.

(ii) Make up the volume with distilled water. Shake well.

(d) *Procedure*

(i) Pipette 5 ml of aliquot in 250 ml erlenmayer flask.

(ii) Add 10-15 ml distilled water & 20 ml Buffer solution.

(iii) Add few drops of indicator's solution. A red rose colour will appear.

(iv) Titrate with EDTA till a blue colour is obtained. Note the volume of EDTA used as V<sub>2</sub> ml.

*Calculation*

Calcium per cent -  $\frac{V_2 \times \text{Calcium Titer} \times 2}{V_1}$

**B. Atomic Absorption spectrophotometric Method**

(1) *Reagent:*

Unless specified otherwise pure chemicals and Glass distilled or demineralised water shall be used in test.

(a) *Hydrochloric Acid - 3 N*

(b) *Preparation of stock solution:—*

(i) *Calcium stock solution:—* Dissolve 2.498 gram CaCO<sub>3</sub> in a minimum amount of 3 N HCl. Dilute to 1 litre (1000ppm Ca).

Dilute 10 ml to 100 ml.

This is 100 ppm stock solution.

(ii) *Lanthanum stock solution:—* 50 g La/L.

Dissolve 58.65 gram LA<sub>2</sub>O<sub>3</sub> in 250 ml Hcl, adding acid slowly. Dilute to 1 litre.

(c) *Preparation of working standard:—*

Add 0, 5, 10, 15 and 20 ml of Ca stock solution in a 100 ml volumetric flask. Add 20 ml La stock solution and make up the volume to 100 ml with distilled water. This will correspond to 0, 5, 10, 15 and 20 Mg Ca/ml containing 1% La.

Flask No.	Volume of Ca taken from stock solution	Volume of La added in vol. Flask	Concentration of Ca in Mg/ml (ppm)
1.	0 ml	20 ml	0
2.	5 ml	20 ml	5
3.	10 ml	20 ml	10
4.	15 ml	20 ml	15
5.	20 ml	20 ml	20

## (2) Procedure:

Weigh 1.00 gram well grind sample in a 100 ml volumetric flask. Add 25 ml water and shake to dissolve. Then add 20 ml Lanthanum solution in the flask and make volume to 100 ml with Distilled water. Shake well and allow to settle. Filter, if required, before it is aspirated.

(3) *Flaming of the solution*:— Flame the standard and sample solution on AAS at wave length of 422.7 nm using Air-Acetylene flame.

(4) *Calculation*:— Plot the calibration curve using the mean absorbance on Y axis and the corresponding concentration of Ca (ug/ml) at 'X' axis. Determine the concentration of calcium in the sample by reference to the calibration curve:

$$\% \text{ Ca} = \text{Concentration (ug/ml)} \times 10^{-2}$$

## 22. Method of Analysis of Potassium Magnesium sulphate

*Determination of water soluble K<sub>2</sub>O*

By the method as specified in 5 (i)

*Determination of Magnesium*

By the method as specified in 19 (B) and 19 (A)

*Determination of total Chlorides*

By the method as specified in 18

*Determination of sodium*

By the method as specified in 17

*Determination of particle size*

By the method as specified in 20."

Sd/-

(MOHAN KANDA)

Joint Secretary to the Government of India

(F.No. 2-1/98-Fert. Law)

NOTE:- The Fertilizer (Control) Order, 1985 was published in the Gazette of India, vide number G. S. R. 758 (E) dated the 25th September, 1985 and subsequently amended vide number

1. G.S.R. 201 (E) dated 14th February, 1986
2. G.S.R. 508 (E) dated 19th March, 1986
3. G.S.R. 1160 (E) dated 21st October, 1986
4. S.O. 822 (E) dated 14th September, 1987

5. S.O. 1079 (E) dated 11th December, 1987
6. S.O. 252 (E) dated 11th March, 1988
7. S.O. 724 (E) dated 28th July, 1988-
8. S.O. 725 (E) dated 28th July, 1988
9. S.O. 940 (E) dated 11th October, 1988
10. S.O. 498 (E) dated 29th June, 1989
11. S.O. 581 (E) dated 27th July, 1989
12. S.O. 673 (E) dated 25th August, 1989
13. S.O. 738 (E) dated 15th September, 1989
14. S.O. 140 (E) dated 12th February, 1990
15. S.O. 271 (E) dated 29th March, 1990
16. S.O. 403 (E) dated 23rd May, 1990
17. S.O. 675 (E) dated 31st August, 1990
18. S.O. 261 (E) dated 16th April, 1991
19. S.O. 444 (E) dated 2nd July, 1991
20. S.O. 530 (E) dated 16th August, 1991
21. S.O. 795 (E) dated 22nd November, 1991
22. S.O. 377 (E) dated 29th May, 1992
23. S.O. 534 (E) dated 20th July, 1992
24. S.O. 826 (E) dated 9th November, 1992
25. S.O. 254 (E) dated 3rd June, 1993
26. S.O. 397 (E) dated 18th June, 1993
27. S.O. 942 (E) dated 10th December, 1993
28. S.O. 163 (E) dated 14th February, 1994
29. S.O. 340 (E) dated 17th April, 1995
30. S.O. 459 (E) dated 22nd May, 1995
31. S.O. 835 (E) dated 12th October, 1995
32. S.O. 575 (E) dated 20th August, 1996
33. S.O. 57 (E) dated 22nd January, 1997

**Order**

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Government of India, Ministry of Agriculture (Department of Agriculture & Co.operation) New Delhi Order No. 2-1/98-Fert. Law dated 4th May, 1999 under Fertilizer (Control) order 1985, is hereby republished in the Official Gazette for information of the public.

K. G. Sharma, Director of Agriculture Ex-Officio  
Joint Secretary to the Government of Goa.

Panaji, 16th December, 1999.

**Order**

S.O. 300 (E)— In pursuance of clause 20 of the Fertilizer (Control) Order, 1985, the Central Government hereby makes the following further amendments in the notification of the Government of India in the Ministry of Agriculture (Department of Agriculture and Cooperation) number S.O. 579 (E) dated, the 5th November, 1997, namely:—

In the said notification, for the words "eighteen months," the words "twenty four months" shall be substituted.

Sd/-

(ANIL SINHA)

Joint Secretary to the Govt. of India,  
(F.No. 2-1/98-Fert. Law)

*Note:-* The principal order was published in the Gazette of India vide number S.O. No. 759 (E) dated 5th November, 1997 and subsequently amended vide S.O. 380 (E) dated the 4th May, 1998 and S.O. 946 (E) dated 2nd November, 1998.

**Department of Finance**

Revenue and Expenditure Division

**Notification**

5/13/95-Fin(R&C)

The following draft amendment which is proposed to be made to the Goa Sales Tax Rules, 1964, is hereby pre-published as required by sub-section (1) of section 36 of the Goa Sales Tax Act, 1964 (Act 4 of 1964), for information of the persons

likely to be affected thereby and notice is hereby given that the said draft amendment will be taken into consideration by the Government on the expiry of thirty days from the date of publication of this Notification in the Official Gazette.

All objections and suggestions to the said draft amendment may be forwarded to the Under Secretary to the Government of Goa, Finance (Rev. and Cont.) Department, Secretariat, Panaji, before the expiry of thirty days from the date of publication of this Notification in the Official Gazette.

**DRAFT AMENDMENT RULES**

In exercise of the powers conferred by section 36 of the Goa Sales Tax Act, 1964 (Act 4 of 1964) and all others powers enabling it in that behalf, the Government of Goa hereby makes the following rules so as to further amend the Goa Sales Tax Rules, 1964, namely:—

1. *Short title and commencement.*— (1) These rules may be called the Goa Sales Tax (Amendment) Rules, 1999.

(2) They shall come into force at once.

2. *Amendment of rule 2.*— In rule 2 of the Goa Sales Tax Rules, 1964, in clause (c), after the existing proviso, the following shall be inserted, namely:—

"Provided further that Sales Tax Officer/Assistant Sales Tax Officer posted in the Office of the Commissioner of Sales Tax, Panaji, shall be the Appropriate Assessing Authority in respect of such dealers and for such purposes, including registrations, assessment, re-assessment, recovery, enforcement, etc., as the Commissioner or any other Officer authorised by him not below the rank of Assistant Commissioner of Sales Tax, may, by a special or general order, specify."

By order and in the name of the Governor of Goa.

J. F. A. Rodrigues, Under Secretary (Finance-Exp.).

Panaji, 21st December, 1999.